

(54) Title: PERSONAL COMMUNICATION SYSTEM

(54) 発明の名称      パーソナル通信方式

(57) Abstract

A concordance table for a subscriber's number allotted to a subscriber, an equipment number allotted to a telephone set and a subscriber's line number held in a memory circuit in the network, so that a calling can be received by the telephone set at his own subscriber's number wherever the subscriber or the telephone set moves. This table makes it possible to find out concordance of the equipment number of the telephone set registered corresponding to the subscriber's number with the subscriber's line number to which the equipment is now connected. When the connection is requested based on the subscriber's number, the table makes it possible to find out subscriber's line number to which is presently connected the telephone set that is registered for the subscriber's number, whereby connection is made to the telephone set that is registered for the subscriber's number. Equipment numbers have been regulated depending upon the manufacture or sales of the telephone sets so as not to be overlapped.

The diagram illustrates a Personal Communication System architecture. On the left, multiple 'PS' (Personal Station) units are shown, some connected to a 'CPS' (Central Processing Station). These connect to a central 'CS' (Communication Station) via 'TM' (Terminal Multiplexer) and 'TE' (Telephone Extension) lines. The 'CS' connects to a 'NT' (Network Terminal). The 'NT' connects to a series of switching elements: 'LS1' (Line Switch), 'TS1' (Time Slot Switch), 'TS2' (Time Slot Switch), and 'LS2' (Line Switch). These switch through 'CC' (Control Circuit) blocks to a central 'CSN' (Communication Switching Network). The 'CSN' connects to 'M' (Memory) units and 'RW' (Read-Write) units. An 'OP' (Operator) is also connected to the 'CSN'. A 'BS' (Base Station) and 'MSC' (Mobile Switching Center) are connected to the system via 'PBS' (Public Switching System) and 'MS' (Mobile Station) units. The entire system is interconnected to allow for flexible communication based on subscriber and equipment numbers.